Call for Presentation Reports

DataMod 2019 - 8th International Symposium "From Data to Models and Back"
Porto, Portugal, 7-8 October 2019

DataMod Website http://pages.di.unipi.it/datamod/edition-2019/
DataMod Twitter @DataMod19

DataMod 2019 is a satellite event of the 3rd World Congress on Formal Methods (FM 2019)
http://formalmethods2019.inesctec.pt

Submission of presentation reports: Thursday 5 September 2019
Notification: Sunday 8 September 2019
Early registration date: Tuesday 10 September 2019

Later submission of presentation reports may be accepted under
certain circumstances. Please email datamod2019@easychair.org
to discuss this further.

PRESENTATION REPORTS

In order to encourage participation and discussion, DataMod 2018
solicits submissions of presentation reports.

Presentation reports concern recent or ongoing work on relevant topics
and ideas, for timely discussion and feedback at the workshop. There is
no restriction as for previous/future publication of the contents of a
presentation. Typically, a presentation is based on a paper which
recently appeared (or which is going to appear) in the proceedings of
another recognised conference, or which has not yet been submitted.
The (extended) abstract of presentation submissions should not exceed
4 pages. Presentation reports will receive a lightweight review to
establish their relevance for DataMod.

CONTEXT & OBJECTIVES

The aim of DataMod 2019 is to bring together practitioners and researchers
from academia, industry and research institutions interested in the
combined application of computational modelling methods with
data-driven techniques from the areas of knowledge management, data
mining and machine learning. Modelling methodologies of interest
include automata, agents, Petri nets, process algebras, rewriting systems,
clustering, data analytics. Application domains include social systems,
ecology, biology, medicine, smart cities, governance, education, software
engineering, and any other field that deals with complex systems and
large amounts of data.

Submitted papers can present research results in any of the themes of
interest for the symposium as well as application experiences, tools
and promising preliminary ideas. Papers dealing with synergistic
approaches that integrate modelling and knowledge management/discovery
or that exploit knowledge management/discovery to develop/synthesise
system models are especially welcome.

TOPICS

Modelling and analysis methodologies include:
- Agent-based Methodologies
- Automata-based Notations
- Big Data Analytics
- Cellular Automata
- Classification
- Clustering, Segmentation and Profiling
- Conformance Analysis
- Constraint Programming

- Data Mining
- Differential Equations
- Empirical Modelling
- Game Theory
- Machine Learning
- Membrane Systems
- Network Theory and Analysis
- Ontologies
- Optimisation Modelling
- Petri Nets
- Process Calculi
- Process Mining
- Rewriting Systems
- Spatio-temporal Data Analysis/Mining
- Statistical Model Checking
- System Dynamics
- Text Mining
- Topological Data Analysis

Application domains include:
- Biology
- Brain Data and Simulation
- Business Process Management
- Climate Change
- Cybersecurity
- Ecology
- Education
- Environmental Risk Assessment and Management
- Enterprise Architectures
- Epidemiology
- Explanation and Interpretability
- Genetics and Genomics
- Governance
- HCI and Human Behaviour
- Open Source Software Development and Communities
- Pharmacology
- Resilience Engineering
- Safety and Security Risk Assessment
- Social Good
- Social Software Engineering
- Social Systems
- Sustainable Development
- Threat Modelling and Analysis
- Urban Ecology and Smart Cities

Synergistic approaches include:
(1) use of modelling methods and notations in a knowledge
 management/discovery context
(2) development and use of common modelling and knowledge
 management/discovery frameworks to explore and understand complex
 systems from the application domains of interest

SUBMISSION AND PUBLICATION

The (extended) abstract of presentation submissions should not exceed
4 pages and can be shorter. Presentation reports will receive a
lightweight review to establish their relevance to DataMod.

Submissions must be in PDF format and use the LNCS latex style, see
http://www.springer.de/comp/lncs/authors.html.
The submission link is:

https://easychair.org/conferences/?conf=datamod2019

Presentation reports may be included in the pre-proceedings depending
on prior publication status of the research and authors' preference.

At least one of the co-authors of accepted presentation submissions
are expected to present and discuss their work at the symposium.

Sessions for presentation reports will take place on both days of
DataMod to enable attendees at other single day workshops to contribute.

A special issue of a relevant international journal with extended
versions of selected papers and presentations is planned.

IMPORTANT DATES

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Early registration date: Tuesday 10 September
Symposium: Monday and Tuesday, 7-8 October 2019

KEYNOTE SPEAKERS

* Ana Cavalcanti, University of York, UK
* Mieke Massink, ISTI-CNR, Italy

PROGRAM CO-CHAIRS

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* Paolo Milazzo, University of Pisa, Italy

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CONTACT

All inquiries should be sent to datamod2019@easychair.org .
Follow us on Twitter @DataMod19 for news and announcements.